

NATURAL RESOURCE INVENTORY and FOREST STAND DELINEATION

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|--------------------|-------|
| Application Number | _____ |
| Date Received | _____ |
| Amount of Fee | _____ |
| Date Fee Received | _____ |

In accordance with Chapter 22 of the City Code
and the Environmental Standards for Development Regulation (Regulation No. 01-01)

1. **PROJECT NAME** _____
☐ Commercial ☐ Industrial ☐ Residential ☐ Other
If residential, Number of Units and Type _____
2. **PROPERTY LOCATION** _____
 - a. Parcel Number _____ Property Tax ID _____ Zone _____
 - b. Maryland Subwatershed #: ☐ Muddy Branch ☐ Great Seneca ☐ Other _____
02140202 # 0214208 # _____
 - c. Tributary: ☐ Muddy Branch ☐ Long Draught Branch ☐ Whetstone Run ☐ Other _____
3. **APPLICANT NAME** _____
Address _____ Telephone _____
4. **OWNER NAME** _____
Address _____ Telephone _____
5. **SITE INFORMATION**
 - a. Total tract area _____ acres or _____ sq. feet
 - b. Existing forested area _____ acres or _____ sq. feet
 - c. Wetland area _____ acres or _____ sq. feet
 - d. Area within the stream valley buffer _____ acres or _____ sq. feet
 - e. Presence of cultural, heritage or historic resources (identify) _____
 - f. Presence of threatened, rare and endangered species, species in need of conservation or watchlist species (identify) _____
 - g. Other important environmental information _____

I have read and complied with the submission requirements (reverse side) and affirm that all statements contained herein are true and correct.

Applicant's Signature _____

Date _____

6. SUBMISSION REQUIREMENTS

A. ☐ NATURAL RESOURCE INVENTORY AND FOREST DELINEATION MAP

The natural resource inventory and forest stand delineation map is a complete analysis of existing natural resources and must contain specific information covering the development site and the first 100 feet of adjoining land or the width of the adjacent lot, whichever is less. Information pertaining to streams and drainage courses on or within 200 feet of the property must also be provided. The map shall be prepared at an appropriate scale with arrow indicating north, including the following information:

- ☐ **Property boundaries**
- ☐ **Topography** information (2' contours preferred) and identification of steep slopes (15-25%, > 25%)
- ☐ **Soils and geologic conditions**, as found in the Montgomery County Soil Survey; including soil type, structural limitations, soils that are hydric, unsuitable, and/or erodible
- ☐ **Perennial and intermittent streams and major drainage courses** on or within 200' of the property; including 100-year floodplains, 25' building restriction lines (BRL), and stream buffers
- ☐ **Non-tidal wetlands and their buffers** as identified by U.S. Fish and Wildlife Service Wetlands Inventory, Maryland Non-tidal Wetlands maps, or field identification; including type, location, and acreage
- ☐ **Forest and tree canopy coverage** as identified by recent aerials or field verification; including forest stand locations, field sampling points, tree lines extending offsite, and specimen trees
- ☐ **Specimen trees or significant vegetation**; including location, type, size, condition, and critical root zones
- ☐ **Presence of plants and animals** identified as rare, threatened or endangered, species in need of conservation, and watchlist species and their critical habitats observed in the field and those documented by the MD Dept. of Natural Resources
- ☐ **Cultural, heritage or historic resources**
- ☐ **High hazard dams** (onsite or 1 mile upstream)
- ☐ **Existing land uses**; including buildings, pavement, significant vegetation, public utilities, overhead lines, retaining walls, stormwater management structures, easements, and/or transportation right-of-ways
- ☐ **Adjacent land uses**; including existing owner, type, buildings, pavement, and specimen trees with critical root zones that traverse subject property
- ☐ **Sources of noise and light pollution**
- ☐ **Significant views and vistas**
- ☐ Any other information required by the City of Gaithersburg

B. ☐ SITE VICINITY MAP

This 8 1/2" x 11" map shall indicate the location of the site within a square mile; illustrating major roads, land uses, and forest cover at a 1:2000 scale.

C. ☐ FOREST STAND SUMMARY SHEETS (if site contains forest)

Data collected at individual sampling points shall be summarized for each stand. The following information shall be submitted:

- ☐ Dominant species and forest association
- ☐ Size class of dominant trees
- ☐ Size, type and condition of specimen trees
- ☐ Total number of tree species
- ☐ Number of trees per acre
- ☐ Common understory species
- ☐ Forest structure rating

D. ☐ NARRATIVE OF NATURAL RESOURCES AND FOREST STAND CONDITIONS

A written summary of the natural resources and forest stand conditions shall be submitted. The following information shall be addressed:

☐ **Forest stand conditions**

- ☐ Condition classes—a rating of the condition of a tree or a stand of trees based on such parameters as trunk condition, growth rate, structure, presence of insects, diseases or invasive species, crown development, and life expectancy
- ☐ Stand structure— composition of the forest stand with reference to forest association (SAF cover type), dominant and co-dominant species, understory and herbaceous.
- ☐ Forest structure— a measure of vertical and horizontal diversity within a stand related to stand age and habitat
- ☐ Retention potential
- ☐ Transplant and regenerative potential
- ☐ Comments on evidence of past management
- ☐ Date of field work
- ☐ Qualifications of preparer(s)

☐ **Other environmental features**

- ☐ Environmental features identified in 6a
- ☐ Stream conditions (a floodplain variance or environmental waiver may be required)
- ☐ Description of highly erodible, unstable and unsafe soils (a geotechnical report may be required)
- ☐ Danger reach/dam break analysis (if the property contains a dam or is one mile or less downstream of a dam)
- ☐ Description of existing wildlife (a Wildlife Management Plan may be required) and plants and animals identified as rare, threatened or endangered, species in need of conservation, and watchlist species and their critical habitats and documentation from the MD Dept. of Natural Resources
- ☐ Any other information required by the City of Gaithersburg